

**APPLICATOR FOR DISPENSING BIOACTIVE COMPOSITIONS AND
METHODS FOR USING THE SAME**

ABSTRACT

Bioactive agents are topically administered or delivered to a mucous membrane by a jet dispenser using inkjet technology, such as that used in printing. The dispenser propels precise volumes of droplets or powder for administration to a subject, such as being inhaled through the mouth or nose. A controller in the dispenser may control delivery of multiple different drugs, timing of drug administration, or change drug regimens in response to a changing medical condition of a patient, such as those monitored by a sensor in communication with the controller, for example to prevent an overdose. Administration methods are also provided, along with replacement kits.